

DRRES CONTROL  
COMING LTR NO



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET SUITE 500  
DENVER COLORADO 80202 2466

Ref 8HWM FF

2965 RF 93

DUE  
DATE

CTION  
IST TR ENC  
NEDETTI, RL  
NJAMIN, A  
RMAN, HS  
RNIVAL, G.J.  
PP, RD  
RDOVA RC  
VIS, J.G.  
RRERA, DW  
NNI, BJ  
ALY, TJ  
DAHL, TG  
BIG, J.G.  
RBY, WA  
STER, AW  
E, EM  
ANN, HP  
RX, GE  
KENNA, FG  
JRGAN, RV  
ZUTO, VM  
ER, GL  
EY, JH  
NDLIN, NB  
TTERWHITE, DG  
HUBERT, AL  
TLOCK, GH  
PLER, RL  
JLLIVAN, MT  
VANSON, ER  
LKINSON, RB  
LSON, JM  
NE, JO

Gee, C. X

Burmeister, M. X

Busby, W. X

Taylor, K. X

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Corr Control RFP

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DATE BY

3 'Lt #

Mr Richard Schassburger  
Department of Energy  
Rocky Flats Office  
P O Box 928  
Golden Colorado 80402 0928

RE Quarterly Report for OU 1 IM/IRA

Dear Mr Schassburger

EPA has reviewed the first Quarterly Report for the Operable Unit (OU) 1 Interim Measure/Interim Remedial Action (IM/IRA) Facility dated April 1993. In general this report provides much of the data and documentation that was specified in the IM/IRA French Drain Performance Monitoring Plan (FDPMP). However as the report states there are some data gaps and analyses that must be addressed before conclusions regarding the effectiveness of the system can be made.

In order to make a complete assessment of the IM/IRA system EPA needs more information on the 13 wells that were installed for monitoring purposes as well as the collection well. This would include all well logs showing well construction lithology elevations and soil sampling. The report is also unclear as to which wells were sampled for groundwater and whether the samples were analyzed for the full suite of parameters listed in Table 2 4 of the FDPMP. All analytical results for these samples including the samples that were to have been collected subsequent to development and the specified quality control samples must be provided on diskette to EPA. In hard copy only summary tables that list detected contaminant concentrations and a description of sampling activities are necessary. A discussion of the development of the collection well should also be provided.

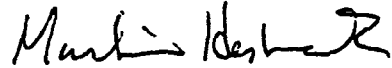
Concerning influent flowrates since the 881 footing drain flowrates were measured frequently as shown in Chart 1 a calculation should be made to estimate the amount of water that this source contributed in comparison with the total volume of influent. Listed below are other specific suggestions for improvement of the quarterly report.

Include a water table elevation map.  
Further investigate both MW 1 and MW 2 to determine why both wells are not dry.  
Describe whether water from other sources is treated separately and if so what were the contaminant levels before and after treatment.  
Water levels ground levels plugged back well depth and top of casing in the charts of Appendix A should be reported as elevations above sea level.

ADMIN RECORD

If you have any questions concerning these matters please  
contact Gary Kleeman of my staff at 294 1071

Sincerely,



Martin Hestmark Manager  
Rocky Flats Project

cc P Singh DOE  
C Gee EG&G  
M Burmeister EG&G  
J Schieffelin CDH